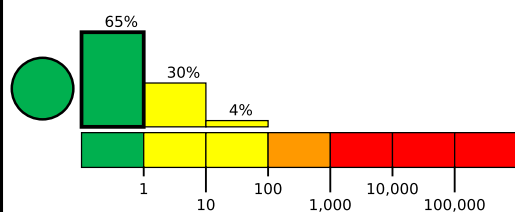# M 5.5, Central Turkey

Origin Time: 2023-07-25 05:44:50 UTC (Tue 08:44:50 local)
Location: 37.5831° N 35.9568° E Depth: 10.0 km

**PAGER**
**Version 4**
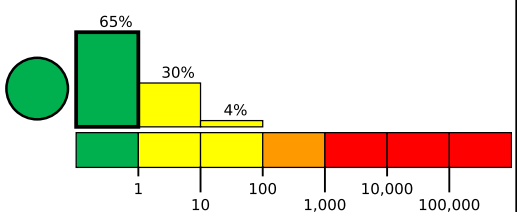
Created: 1 day, 0 hours after earthquake

## Estimated Fatalities

65%
30%
4%

1   10   100   1,000   10,000   100,000
*Fatalities*

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

## Estimated Economic Losses

65%
30%
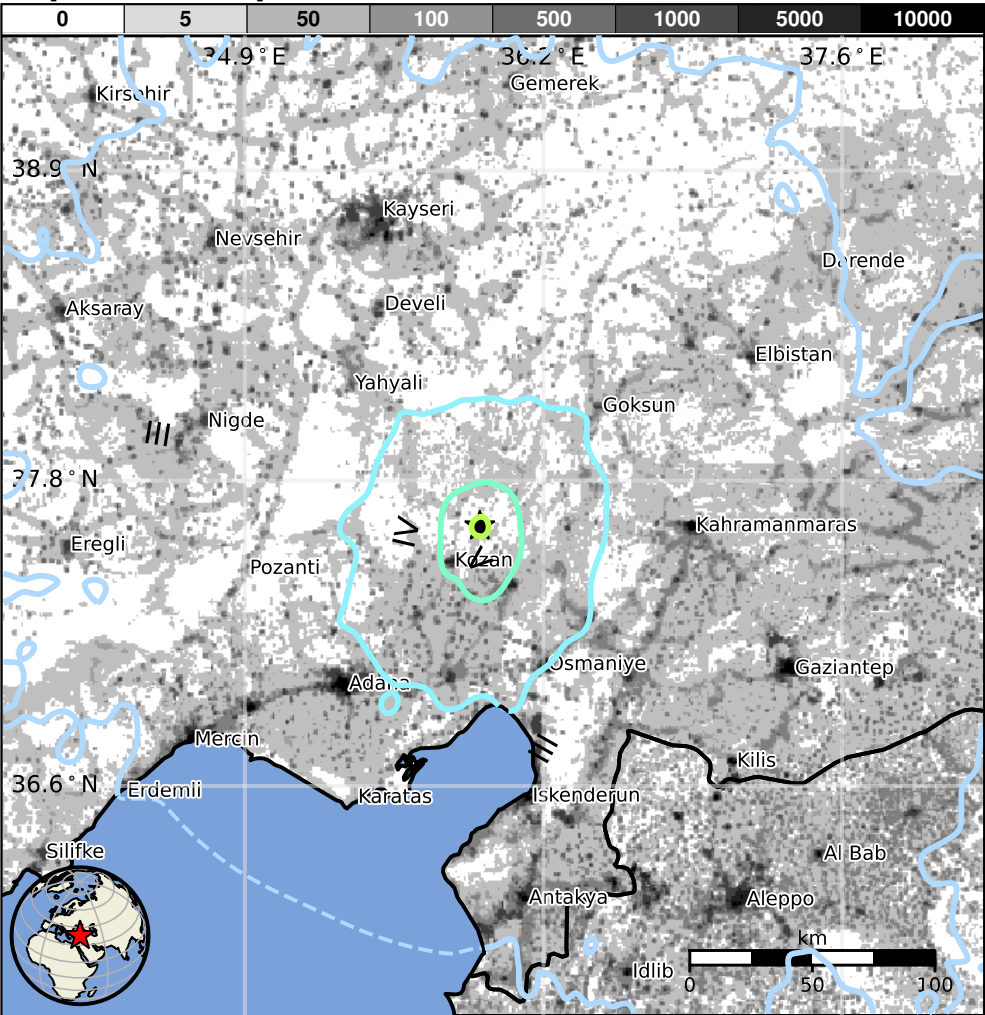4%

1   10   100   1,000   10,000   100,000
*USD (Millions)*

## Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | –* | 17,635k | 2,180k | 128k | 1k | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan

| 0 | 5 | 50 | 100 | 500 | 1000 | 5000 | 10000 |
|---|---|---|---|---|---|---|---|



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

## Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|---|---|---|---|---|
| 2004-03-01 | 210 | 3.8 | IV(7k) | 6 |
| 1986-06-06 | 178 | 5.8 | VII(86k) | 1 |
| 1992-03-13 | 397 | 6.6 | IX(151k) | 498 |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|---|---|---|
| V | Sumbas | <1k |
| **V** | **Kozan** | **88k** |
| IV | Kadirli | 70k |
| IV | Tepecikoren | <1k |
| IV | Kosreli | <1k |
| IV | Feke | 5k |
| **IV** | **Adana** | **1,249k** |
| **III** | **Kayseri** | **593k** |
| **III** | **Mercin** | **538k** |
| **III** | **Gaziantep** | **1,066k** |
| **III** | **Aleppo** | **1,602k** |

bold cities appear on map.                    (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.
Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us7000ki5u#pager

**Event ID: us7000ki5u**